

*B1 Cont.*

further transmission of the device information.

- B2*
3. (Once Amended) The system of claim 1 wherein at least one of the devices further comprise a battery for supplying power to the low power transceiver.

4. (Canceled)

10. (Twice Amended) A monitoring system comprising:

*B3*

a plurality of devices, each device having a low power battery operated transceiver that communicates information over a short range, provided by the device, wherein at least one of the devices is selected from the group consisting of sensors, actuators, and controllers;

a router having a transceiver that receives communications from at least one selected device and transmits further communications via a higher power transceiver to other routers; and a controller communicatively coupled to a router.

12. (Canceled)

30. (Once Amended) A router node in a physical condition monitoring system, the router node comprising:

*B4*

a first transceiver that receives low power transmissions of information from a plurality of devices located proximate the router node, wherein at least one of the devices is selected from the group consisting of sensors, actuators, and controllers; and

a second transceiver that receives high bandwidth transmissions from other routers in the system, wherein the second transceiver further transmits information from the plurality of devices at a higher power level than the received low power transmissions.

40. (Canceled).